

### **Abstract**

Magnetic recording media having a magnetic layer with an easy magnetization axis lying about  $45^\circ$  out of plane of the magnetic layer is disclosed. SMNR from this media could be greatly improved from conventional longitudinal and perpendicular recording, because of an increase in the grain anisotropy that could be effectively written due to the angled recording configuration, resulting also in higher thermal stability, therefore, suitable for higher areal density recording.